Abstract of the Disclosure

Methods and systems for testing throughput of a packet-based communications node include a packet generator, a communication protocol stack, and a packet replicator. The packet generator generates packets of user

5   data to be sent to a device under test. The packets are passed through layers of the communications protocol stack. The packet replicator resides within at least one of the layers and copies predetermined packets in accordance with a user specified key value. The packet replicator replicates the packets to a device under test, such as a GPRS node, and bypasses at least some of the layers of

10   the communications protocol stack.